

大客車駕駛使用無線電對講機對駕駛績效之影響分析

蘇昭銘, 陳菟蕙, 黃雪玲, 李思葦, 林蒼威

運輸科技與物流管理學系

管理學院

jdingsu@chu.edu.tw

摘要

Although government bans drivers from using hand-held cellular phones when driving, using wireless communication devices is not prohibited in Taiwan. The purpose of this paper is to employ driver simulator to discuss the effect of the driving performance of the bus drivers using wireless communication devices when driving. We find that the when using wireless communication devices, the bus drivers' perception-reaction time and lane deviation rate increases. These findings show a possible safety concern if bus drivers using wireless communication devices on roads. The research team suggests the government should examine the current regulations on using communication devices on roads all together on the purpose of improving bus safety.

關鍵字 : wireless communication devices; driving performance; driver simulator